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Malaria elimination trend from a hypo-endemic unstable active focus in southern Iran: Predisposing climatic factors

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Year: 2012

Journal: Pathogens and Global Health. 106 (6): 358-365

Abstract:

Human malaria is the most important vector-borne infectious disease in Iran. It remains focally endemic being restricted to almost 20 counties in three oriental provinces. As a result of control measures applied since 1988, these counties appear to be on the verge of eliminating malaria. Malaria elimination strategy has thus become the new goal in Iran. Malaria due to Plasmodium vivax, whose transmission is particularly hard to interrupt, accounts for nearly 90% of the cases. This study was thus undertaken to show malaria elimination trend from a hypo-endemic unstable active focus in southern Iran and to examine the role of prevailing climatic factors. This focus is now under elimination phase (Stratum III or annual parasitic index

Source: http://dx.doi.org/10.1179/2047773212y.0000000049

Resource Description

Exposure: M

weather or climate related pathway by which climate change affects health

Ecosystem Changes, Temperature

Temperature: Fluctuations

Geographic Feature: M

resource focuses on specific type of geography

None or Unspecified

Geographic Location: M

resource focuses on specific location

Non-United States

Non-United States: Asia

Asian Region/Country: Other Asian Country

Other Asian Country: Iran

Health Impact: M

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specification of health effect or disease related to climate change exposure

Infectious Disease

Infectious Disease: General Infectious Disease, Vectorborne Disease

Vectorborne Disease: Mosquito-borne Disease

Mosquito-borne Disease: Malaria

Intervention: M

strategy to prepare for or reduce the impact of climate change on health

A focus of content

Mitigation/Adaptation: **№**

mitigation or adaptation strategy is a focus of resource

Adaptation

Resource Type: **™**

format or standard characteristic of resource

Review

Timescale: **™**

time period studied

Time Scale Unspecified